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Commissioner for Patents  
Washington, DC 20231

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Encinitas, CA

**Amendment A**

**CLAIMS**

Please amend the claims as follows:

1. (amended) A device for measuring at least one physiological parameter in a body, said device comprising:
  - a. an endoprosthesis located within said body, said endoprosthesis defining an inner surface and an outer surface,
  - b. a first sensing means adapted for chronic implantation within said body, said first sensing means disposed closer to said outer surface of said endoprosthesis than to said inner surface of said endoprosthesis,
  - c. a second sensing means adapted for chronic implantation within said body, said second sensing means disposed closer to said inner surface of said endoprosthesis than to said outer surface of said endoprosthesis.[a means for wireless data transmission,  
a power source.]
2. (original) The device according to claim 1, wherein said endoprosthesis is bifurcated.
3. (amended) The device according to claim 1, wherein said physiological parameter is a pressure. [whereby said second sensing means can be used to compensate for changes in atmospheric pressure]
4. (original) The device according to claim 1, wherein said first sensing means is